

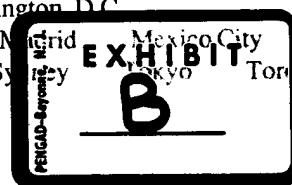
# **McGraw-Hill Dictionary of Scientific and Technical Terms**

## **Fifth Edition**

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Editor in Chief

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ing direct measurement of free-space wavelength. [OPTICS]  
A beam resonator that consists of a pair of spherical mirrors  
which have the same axis of rotational symmetry and are posi-  
tioned so that their focal points coincide on this axis. { kən'fō-  
kəl 'rez-ən, ād-ər }  
**conformability** [MET] The ability of a metal that has been  
cast as a bearing surface to deform plastically to compensate for  
irregularities in bearing assembly. { kən, fɔrmə'bɪl-əd-ē }  
**conformable** [GEOL] 1. Pertaining to the contact of an intru-  
sive body when it is aligned with the internal structures of the  
intrusion. 2. Referring to strata in which layers are formed  
above one another in an unbroken, parallel order. { kən'fɔr-  
mə-bəl }  
**conformable matrices** [MATH] Two matrices which can be  
multiplied together; this is possible if and only if the number of  
columns in the first matrix equals the number of rows in the  
second. { kən'fɔrmə-bəl 'mā-trə, sēz }  
**conformable optical mask** [ELECTR] An optical mask made  
on a flexible glass substrate so that it can be pulled down under  
vacuum into intimate contact with the substrate for accurate  
circuit fabrication. { kən'fɔrmə-bəl 'äp-tə-kəl 'mask }  
**conformal array** [ELECTR] A circular, cylindrical, hemi-  
spherical, or other shaped array of electronically switched an-  
tennas; provides the special radiation patterns required for Ta-  
can, IFF, and other air navigation, radar, and missile control  
applications. { kən'fɔrməl ə'rā }  
**conformal chart** [MAP] A chart on a conformal map projec-  
tion. { kən'fɔrməl 'chärt }  
**conformal diagram** See Penrose diagram. { kən'fɔrməl 'dī-  
ə, gram }  
**conformality** [MAP] The retention of angular relationships at  
each point on a map projection. { ,kän-fər'mal-əd-ē }  
**conformal mapping** [MATH] An angle-preserving analytic  
function of a complex variable. { kən'fɔrməl 'map-ɪŋ }  
**conformal map projection** [MAP] A map projection on  
which the shape of any small area of the surface mapped is  
preserved unchanged. Also known as orthomorphic map pro-  
jection. { kən'fɔrməl 'map prə'jek-shən }  
**conformal reflection chart** [ELECTROMAG] An Argand dia-  
gram for plotting the complex reflection coefficient of a wave-  
guide junction and its image, the two being related by a confor-  
mal transformation. { kən'fɔrməl rɪ'flek-shən, chärt }  
**conformation** [ORG CHEM] In a molecule, a specific orienta-  
tion of the atoms that varies from other possible orientations by  
rotation or rotations about single bonds; generally in mobile  
equilibrium with other conformations of the same structure.  
Also known as conformational isomer; conformer. { kən-  
fər'mā-shən }  
**conformational analysis** [PHYS CHEM] The determination of  
the arrangement in space of the constituent atoms of a molecule  
that may rotate about a single bond. { kən-fər'mā-shən-əl ə'nal-  
-ə-səs }  
**conformational isomer** See conformation. { kən-fər'mā-shən-  
əl 'ɪ-sə-mər }  
**conformer** See conformation. { kən'fɔrmər }  
**conformity** [GEOL] The shared and undisturbed correspon-

darscopes, consisting of strips  
paper, such as chaff or window  
or submultiples of enemy radar  
radar confusion reflector. { kə-  
**conge** [FOOD ENG] A machi  
sweet chocolate are worked to  
paste. { 'kän,jä }  
**congelifluction** See gelifluction  
**congelifraction** [GEOL] The  
rocks as the result of the freezing  
known as frost bursting; frost riv-  
ting; frost weathering; frost we  
{ kən,jel-ə,'frak-shən }  
**congeliturbate** [GEOL] Soil  
has been moved or disturbed b  
bət }  
**congeliturbation** [GEOL] The  
a result of repeated cycles of f  
frost heaving and surface sub  
known as cryoturbation; frost c  
bation. { kən,jel-ə'tər'bā-shən }  
**congener** [CHEM] A chemical  
another substance, such as a de  
element belonging to the same f  
periodic table. { 'kän-jə-nər }  
**congeneric** [SYST] Referring t  
{ 'kän-jə'ner-ik }  
**congenital** [MED] Dating fr  
{ kən'jen-əd-əl }  
**congenital agammaglobulinem**  
ficiency (in serum) of immunoglo  
by increased susceptibility to bac  
linked recessive tract, affecting  
fecting both sexes. { kən'jen-  
mē-ə }  
**congenital anomaly** [MED] A  
mality of the human body that  
known as birth defect. { kən'jer-  
**congenital disease** [MED] Any  
is present at birth. { kən'jen-əd-  
**congenital pathology** [MED] P  
fects existing at birth. { kən'jen-  
**congestin** [BIOCHEM] A toxin p  
ones. { kən'jes-tən }  
**congestion** [MED] An abnormal  
ally blood, but occasionally bile or  
an organ or part. { kən'jes-chən }  
**congestive heart failure** [MED]  
congestion exists as a result of hea  
,fāl-yər }  
**conging process** [FOOD ENG]  
working a ground mixture of choc  
butter with additional cocoa butter  
as }  
**conglomerate** [GEOL] Cemen  
water-worn rock or pebbles, bound